

# **U.S.-Mexico Border Cooperation Under the Mérida Initiative**

## **Non-Intrusive Inspection Equipment**



### **The NIIE Program**

Facts

Funding

Deliverables

U.S. Embassy Mexico  
December 15, 2011

## **Background**

Under the Merida Initiative Mexico and the United States have joined as partners to fight transnational criminal organizations through a policy of co-responsibility, cooperation and mutual respect.

A critical component is the delivery of non-intrusive inspection equipment (NIIE) that allows Mexico's authorities to discreetly scan and inspect passenger vehicles, cargo containers and freight rail for firearms, explosives, drugs, bulk cash, contraband or people. NIIE equipment also modernizes and improves border security at land crossings, sea ports and airports by detecting and reducing the flow of illegal goods while facilitating legitimate trade and travel opportunities.



The IP6500 X-Ray Vehicle and Cargo Inspection System (VACIS) inspects vehicles and cargo in high-volume operations, even through heavy shielding

### **\$ 80.8 Million in Deliveries and Growing(Pre-Merida funds are NOT included)**

Merida-funded NIIE will contribute to a formidable web of 350 systems linked to a national database to control Mexico's borders and points of entry.

## Mérida Initiative NIIE Funds

Delivered – Merida funds	\$ 80,834,923
Contracted – Merida funds	\$ 24,262,682
In Contracting Process & planned – Merida funds	\$ 19,402,395
<b>Merida funds total</b>	<b>\$ 124,500,000</b>
Pre-Merida funds	\$ 20,229,876
<b>Total NIIE funds</b>	<b>\$ 144,729,876</b>

## Merida Initiative-Delivered NIIE Equipment

### Mobile X-Ray Van

To detect contraband found in commercial buses, light trucks and private vehicles along Mexico's highways .



### Railroad Gamma Vehicle and Cargo Inspection System (VACIS)

To detect weapons and drugs in cargo containers transiting ports of entry. It allows trained technicians to view the contents of rail cars while they remain in motion .

### Ion Scanner/Vapor Tracer

To detect chemicals and harmful gases.



## X-Ray Luggage Inspection

To screen large luggage, parcels and boxes at airports, post offices and other government and commercial facilities. It has been implemented in Mexico at airports and different points of inspection.



## Z Backscatter Van (“ZBV”)

Inspects light commercial and private vehicles for weapons, drugs, explosives, chemicals and illicit money in a matter of seconds either while in motion or in stationary mode.

## X-Ray Pallet

To screen pallet-size cargo containers at airports and seaports.



## All-Terrain Vehicle and Cargo Inspection System (VACIS)

Thanks to its reliable gamma-ray imaging technology mounted on a rugged four-wheel-drive commercial pickup truck chassis, the all-terrain brings non-intrusive inspection capability wherever it is needed.



## CT-30 Kit

To detect contraband hidden inside other objects.

## At Least \$60 million in NIIE Equipment has been delivered in 2011

Contracts are in place for **\$24.2 million**. In addition to \$523,302 funded with Pre-Merida funds.



## M6500 X-Ray Vehicle and Cargo Inspection System (VACIS)

To search vehicles and cargo for concealed weapons, nuclear material and other contraband in a variety of locations

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## Portal FullScan Vehicle and Cargo Inspection System (VACIS) – Cobalt 60 & Cesium 137

To scan vehicles and cargo for threats, contraband and other suspicious items at checkpoints and secure facilities with minimal impact on the flow of traffic



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## An Additional \$14 million In Contracts Will Further Deepen Capabilities To Detect Illegal Contraband

### Rapiscan 536 SV

A completely self-contained mobile X-Ray screening facility to detect contraband, drugs and illicit goods in remote and hard to reach locations



Surveillance eq.

Equipment	Quan-tity	Agency	Delivery date	Total amount
Ion scanners	30	SEDENA	September, 2009	\$ 1,100,000
X-Ray minivans	10	SSP	December, 2009	\$ 1,482,380
Railroad VACIS	2	SAT	Sept. - Nov, 2010	\$ 3,500,000
X-Ray ZBV	11	(3) SAT	October, 2010	\$ 3,000,000
		(8) SAT	February, 2011	\$ 8,242,457
X-Ray ZBV	7	SSP	December, 2010	\$ 7,255,467
X-Ray ZBV	5	SSP	August, 2009	\$ 1,000,000
X-Ray ZBV *	10	SAT	January, 2009	\$ 9,309,008
CT- 30 Detection Kits *	68	SAT	December, 2008	\$ 1,106,845
Vapor Tracer *	15	SAT	August, 2008	\$ 401,445
X-Ray units for luggage inspection *	35	SAT	January, 2009	\$ 350,000
Van for luggage inspection *	1	SAT	April, 2008	\$ 150,950
X-Ray ZBV *	5	SSP	August, 2009	\$ 3,700,000
X-Ray Pallet *	1	SAT	February, 2011	\$ 75,000
CT- 30 Detection Kits	100	SAT	May, 2011	\$ 1,600,000
X-Ray ZBV	2	SAT	May, 2011	\$ 2,200,000
X-Ray ZBV *	3	SEMAR	May, 2011	\$ 3,265,005
All-Terrain VACIS	12	SSP	June, 2011	\$ 15,747,019
Safety equipment *	68	SEMAR	June, 2011	\$ 515,547
Software Smiths Detection	6	SEDENA	June, 2011	\$ 30,186
CT- 30 Detection Kits	20	SSP	July, 2011	\$ 351,747
CT- 30 Detection Kits	32	SEDENA	July, 2011	\$ 532,292
CT- 30 Detection Kits	3	SEDENA	July, 2011	\$ 57,258
CT- 30 Detection Kits *	10	SEMAR	July, 2011	\$ 177,392
X-Ray ZBV	4	SSP	July, 2011	\$ 4,400,000
Surveillance cameras	12	SEDENA	August, 2011	\$ 87,397
Tunnel safety equipment	1	SSP	August, 2011	\$ 129,653
X-Ray ZBV	6	SSP	September, 2011	\$ 6,600,000
All-Terrain VACIS	10	SEDENA	October, 2011	\$ 13,000,000
Technical assistance	-	SSP/SAT/SEDENA	October, 2011	\$ 1,038,717
Technical assistance *	-	SEMAR	October, 2011	\$ 20,382
Portal FullScan VACIS-Cob 60 & Ces-137	4	SAT	December 5, 2011	\$ 6,002,240
IP6500 X-Ray VACIS	1	SAT	December 5, 2011	\$ 3,230,000
Ion chamber survey meter	24	SAT	December 5, 2011	\$ 62,040
Ion chamber survey meter	10	SEDENA	December 13, 2011	\$ 25,850
Surveillance equipment	1	SEDENA	December 14, 2011	\$ 160,220
* Pre-Merida funds			TOTAL	\$ 99,906,497

ORDERED/CONTRACTED EQUIPMENT - MERIDA INITIATIVE

Equipment	Qty	Agency	Estimated delivery date	Total amount
M6500 X-Ray VACIS	5	SAT	December 28, 2011 & April 2012	\$15,000,000
IP6500 X-Ray VACIS	1	SAT	December, 2011	\$ 3,168,122
Ion chamber survey meter *	3	SEMAR	December, 2011	\$ 7,755
M6500 X-Ray VACIS	2	SSP	April, 2012	\$ 6,000,000
Ion chamber survey meter	36	SSP	January, 2012	\$ 94,560
Armored vehicles *	3	SEMAR	February, 2012	\$ 515,547
*Pre-Merida funds			TOTAL	\$24,785,984

EQUIPMENT IN CONTRACTING PROCESS- MERIDA INITIATIVE

Equipment	Qty	Agency	Estimated delivery date	Total amount
Interphase with SSP Bunker to remote NIIE operations	1	SSP	Jan-13	\$11,117,039
Tactical Package*	1	SSP	Jan-13	\$1,000,000
Tactical Packages*	3	SEMAR	Jan-13	\$ 635,000
Civil works and installation of NIIE portals	6	SAT	Jan-12	\$1,285,051

\*Complemented with Pre-Merida funds \$ 14,047,090  
TOTAL

**U.S.-Mexico Border Cooperation Under the Mérida Initiative**

Non-Intrusive Inspection Equipment

## **Several additional efforts—making this program not only more comprehensive and robust but also expediting deliveries—have been accomplished since July 2011 to date:**

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Joint NIIE trainings and shared facilities and equipment held by Mexican law enforcement institutions:

- ◊ 41 officers from SEDENA, 17 from SEMAR, 20 from SSP and 5 officers from SAT were jointly trained on the CT-30s at SEDENA's facilities.
  - ◊ 18 officers from SEMAR were trained in the use and operation of ZBV. Additionally some SSP officers provide training on performing tactical surprise operations using mobile NIIE.
  - ◊ 204 SSP officers has been trained on the use and operation of (12) All-Terrain VACIS donated to this agency. Training has been held at SSP facilities either at Mexico City or San Luis Potosi and since Sept. 19 the training is being taken at SEDENA's facilities.
  - ◊ 30 officers from SEMAR (18) and SSP (12) were jointly trained on the use and operation of ZBVs at SEMAR's facilities. Additionally, 87 SSP officers attended the same course at the Federal Police Operation Center (3 of them took the Train-the-trainer course).
  - ◊ 114 SEDENA students have been trained on the use and operation of (10) All-Terrain VACIS at Mexico City- Campo Militar # 1. While SEDENA has provided its facilities for training its own students and SSP students, SSP has provided the ATV units needed for the course.
  - ◊ Additionally, 152 more elements from SEDENA, SSP and SEMAR took a course called "Radiological Security". This training is required by the Commission of Nuclear Energy, CNSNS, as a requisite for the operation of gamma and X-Ray equipment. The course covers different issues as: the basics of physics and radiation, how to proceed in case of a radiological emergency, how to detect and measure the radiation, etc.
  - ◊ It is important to point out that most of the courses given so far have been joint and cross trainings between all law enforcement agencies and military institutions.
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NIIE CAPACITY TRAINING 2011				
TRAINING	AGENCY	TRAINED PERSONNEL	USD AMOUNT	STATUS
CT-30 training*	SEDENA	41	10,700	COMPLETED
CT-30 training*	SSP	20	10,700	COMPLETED
CT-30 training*	SAT	5	5,350	COMPLETED
CT-30 training**	SEMAR	17	10,700	COMPLETED
ZBV training*	SSP	99	300,000	COMPLETED
ZBV training*	SEMAR	18		COMPLETED
ATV training /*	SSP	204	538,572	COMPLETED
ATV training *	SEDENA	114	448,810	COMPLETED
Radiation training	SEDENA	60	8,102	COMPLETED
Radiation training **	SEMAR	28	6,853	COMPLETED
Radiation training	SSP	16	-	COMPLETED
Radiation training	SEDENA	72	12,975	PENDING (a group of 24 pending)
CT-30 training *	SAT	49	7,313	PENDING
<b>TOTAL TRAINING</b>			<b>\$ 1,360,075</b>	

**NOTES:**

\*Training cost is included in the equipment USD amount. Therefore it is not considered as a capacity building expense.

\*\*Pre-Merida funds.



A close-up photograph of the stars and stripes of the United States flag, serving as the background for the entire page.

# **U.S. Embassy Mexico**

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